

From: [John Nagle](#)
To: [Nagle, John](#)
Subject: Fw: Mount Tom BA Question # 9 Information
Date: Tuesday, June 18, 2013 10:41:06 AM
Attachments: [Mt_Tom_Intake_Zone_of_Influence_Jan_2008.docx](#)

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----- Forwarded by John Nagle/R1/USEPA/US on 06/18/2013 10:39 AM -----

From: John Nagle/R1/USEPA/US
To: Christine Vaccaro <christine.vaccaro@noaa.gov>
Date: 07/27/2012 02:15 PM
Subject: Mount Tom BA Question # 9 Information

Hi Chris:

I dug up some information from a past report submitted by the permittee regarding the influence of the cooling water intake structure. Please see the attached file. The information should address your questions in Question # 9 (below). Let me know if you need additional information.

"9) Has there been modeling on the zone of influence from the CWIS? How far away from the intake are larvae/fish, etc. impinged from? You mention that the intake structure is the first point of contact, but is there a suction field that extends further and could pull small drifting larvae into the CWIS? Is there a gradient in the intake velocity? E.g., within 10 feet the intake velocity is 1.3 fps, but within 1 foot its 2.1 fps, etc.? Please detail further."

Thanks,

JHN

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